

LEARNING PATH DESCRIPTION

Pure FlashArray™ Foundations for Customers

Pure's flexible self-paced training will build skills and knowledge in your use of our technology. Get the most out of Pure FlashArray and maximize your technology investments. All at your pace and on your schedule.

Course Benefits

In this training, you will learn how to harness the power of FlashArray, the first all-flash, 100% NVMe shared accelerated storage designed for mainstream enterprise deployments. Become fully trained in basic array functionality, data administration, efficient infrastructure, feature management, and basic troubleshooting.

Course Outline

During this self-paced training you will learn:

FlashArray Functionality – 1 Hour / 10 Minutes

- **FlashArray Hardware Architecture** - How purpose-built hardware architecture is designed to deliver an “Evergreen” experience.
- **FlashArray Architecture / Lifecycle of an I/O** - When describing FlashArray hardware architecture, how to use the lifecycle of an I/O to illustrate basic FlashArray architecture.
- **Data Reduction** - Identify the three methods that FlashArray uses to eliminate redundant data including pattern elimination, duplication elimination, and compression, and provide a brief summary of each. Describe why the elimination of redundant data is important for an array.
- **System Space** - List three categories of space (volume, shared, system) and how each get the most out of array capacity. Define the concept of space and Graphical User Interface (GUI)-reported space and provide a summary of space concepts, including system space and space reporting.
- **Space Troubleshooting** - How to troubleshoot space-related issues in the FlashArray™ by using the load meter in Pure1 as well as the FlashArray GUI. You also will be able to submit questions to Pure Storage Technical Services to help you better understand the results of your investigation.

**Duration**

Self-Paced / 2-3 days

**Intended Audience**

New and Existing
Customers

**Course Type**

eLearning

**Recommended
Next Steps**

Pure Administration
Associate Certification
Program

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- **Async Replication** - Data protection is necessary. There are multiple ways in which data can be protected including snapshots, backups and replication. Define what a pgroup is and how it can be leveraged in data protection. Describe how network connectivity and storage protection is associated with replication, how failover and recovery works, and various performance and capacity considerations.

FlashArray Administration – 1 Hour / 10 Minutes

- **Fibre Channel and iSCSI** - Describe Pure best practices when implementing FlashArray in a SAN environment. You will be able to describe Pure Storage best practices for fibre channel and iSCSI SANs, specifically inter-switch links, zoning, error-free paths, and port speeds.
- **Array Management: GUI and CLI** - How to more effectively use the FlashArray GUI and CLI to set up volumes, hosts, network, and more. Learn how to use the GUI to create and manage a protection group.
- **Snapshots using CLI** - List the commands used in CLI to create snapshots, and how snapshots are used on the array to create critical restore points, create local snapshots, and recover from existing snaps.
- **Pure1™ Manage** - Describe the purpose, and architecture of the Pure1 Management system. Describe how to use Pure1 Manage to review capacity notifications, card views, performance and capacity diagnostics, VM Analytics, Active Cluster, and API registration.

Case Handling and Issue Resolution – 30 Minutes

- **Managing Cases with Technical Services** - How to create a case with Pure Storage® Technical Services using the Pure1 portal, email, and phone then summarize how the Technical Services Assistant (TSA) establishes and acknowledges your case.
- **Severity Levels** - Based on the formal ranking system at Pure Storage Technical Services, assign an applicable severity level when opening a support case.
- **Support Escalation Path** - How to escalate a support case using the Pure1 case portal or the Technical Services case escalation email and hotline when an escalation is required.

Additional Features for FlashArray – 2 Hours / 45 Minutes

- **Active Cluster** - Failover, Active-Active Sync, Quick Setup and Demo – How ActiveCluster delivers a multi-site active/active solution with zero RPO and zero RTO. Locate the Pod Failover Preference and then demonstrate how to change appropriate settings within an environment.
- **FlashArray Plugin for vSphere Web Client** - About the features in the FlashArray Plugin for vSphere Web Client, version 3.
- **Vvols on FlashArray** - About the architecture of Virtual Volumes, and what comprises a virtual machine as it pertains to FlashArray. Learn what vVols are, how to setup, deploy, configure and manage and learn about the concept of data mobility as it pertains to Virtual Volumes.
- **VM Analytics** - How the VMware environment allows administrators to drill down and figure out where problems are originating much faster than previously possible.
- **Windows File Services (WFS)** - How Windows File Service (WFS) on Purity Run helps block file-centric customers to add file services, and the options and benefits of each.
- **Snap to NFS** - How Pure uses Snap Shot technology, more specifically the Snap to NFS feature, using portable Snap Shot technology, to natively backup Snap Shots to NFS.

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